PATENT COOPERATION TREATY

From the INTERNATIONAL	SEARCHING AUTHOR	ITY		Tan.			
То:				PCT For PCT			
5				ITTEN OPINION OF THE ONAL SEARCHING AUTHORITY			
				(PCT Rule 43bis,1)			
			Date of mailing (day/month/year)				
Applicant's or agent's	s file reference		FOR FURTHER ACTION				
IHT-19-WC			See paragraph 2 below				
International applicat	tion No.	International filing date (day/month/year)	Priority date (day/month/year)			
PCT/EP200		12.06.2004		24.07.2003			
International Patent	Classification (IPC) or both	national classification and	HIPC				
1							
Applicant							
STIFTUNG	INSTITUT FÜR	R WERKSTOFFT	ECHNIK				
1. This opinio	on contains indications rela	al t- th - C-11i it					
	on Contains indications read ox No. I Basis of the						
	ox No. II Priority	optmon					
1 =			and to normbry learner	ive step and industrial applicability			
1 =		ty of invention	para to novemy, mivem	The state and the state of the			
	w No. V Reasoned st	•	1(a)(i) with regard to	novelty, inventive step or industrial			
В		uments cited	n sopporting soon sea	· ·			
В	ox No. VII Certain defe	ects in the international app	dication				
⊠ во	ox No. VIII Certain obs	ervations on the internation	nal application				
2. FURTHE	R ACTION						
If a demand for interestical politiciary examination is made, this option will be considered to be a we terresticated Perlainary Examining Authority (TEEA) except that this does not apply where the applicate at two than this one to be the IPEA and the closes IPEA has notified the International Bureau under Rule 66.16/i/(b) th his International Searching, Authority will not be so considered.							
written re PCT/ISA/	ply together, where appro 220 or before the expiration	priate, with amendments, n of 22 months from the pr	before the expiration	 the applicant is invited to submit to the IPEA is of 3 months from the date of mailing of Forn expires later. 			
For furthe	r options, see Form PCT/IS	SA/220.					
3. For furthe	r details, see notes to Form	PCT/ISA/220.					
Diameter and markets	address of the ISA/EP		Authorized officer				
Name and maining a	nuters of the ISAME		Authorized officer				

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE

International application No. PCT / EP 2004 / 006365

		ECT/ EL 2004/ 000303	
Box N	io. I	Basis of this opinion	
 With regard to the language, this opinion has been established on the basis of the international application in the languagited, unless otherwise indicated under this item. 			
[This opinion has been established on the basis of a translation from the original language into the following language	
		, which is the language of a translation furnished for the purposes of international search (under	
		Rule 12.3 and 23.1(b)).	
		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:	
	a.	type of material	
		a sequence listing	
		table(s) related to the sequence listing	
	b.	format of material	
		in written format	
		in computer readable form	
	c.	time of filing/furnishing	
		contained in the international application as filed.	
		filed together with the international application in computer readable form.	
		furnished subsequently to this Authority for the purposes of search.	
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4.	Add	tional comments:	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/006365

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Statement			
	Novelty (N)		1-11	
	Inventive step (IS)		1-11	
	Industrial applicability (IA)		1-11	YES
2	Citations and explanations:			
	See supplementa	l she	et	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/006365

Box No. VIII	Certain observations	on the international application					
The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:							
See	supplemental	sheet					
		1 1					
		()					

Form PCT/ISA/237 (Box VIII) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/006365

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Contin

The application relates to a process for the micro-machining of metallic workpieces, in which, prior to the material-removing machining, in a first step the workpiece is subjected to a thermochemical surface layer treatment. The subject matter of claims 1 and 7 (process and product) can be regarded as novel since it is not disclosed in any of the documents from the available prior art (PCT Atticle 33(2)).

The effect of the thermochemical surface layer treatment which forms the distinguishing feature with respect to the prior art is that workpieces made from metal or metal alloys can be machined using a low-wear micro-machining process. This solves the problem of micro-machining of metals, in particular steel (PCT Article 33(3)).

Pages 2 and 3 of the description reveal that the following feature is essential to the definition of the invention:

 the depth of cuts made in the workpiece using the diamond tool is less than the thickness of the thermochemical treated surface zones.

Since independent claims 1 and 7 do not contain this feature, they do not meet the requirement of PCT Article 6 in conjunction with PCT Rule 6.3(b) that each independent claim must include all the technical features essential to the definition of the invention.